



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

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Coll. Focus 1040 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	0:33	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0002.COMP	5	0:35	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0003.COMP	5	0:37	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0004.COMP	5	0:39	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0005.COMP	5	0:40	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0006.COMP	5	0:43	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0007.COMP	5	0:44	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0008.COMP	5	0:45	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0009.COMP	5	0:48	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0010.COMP	5	0:53	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0011.COMP	5	1:02	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0012.COMP	5	1:05	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0013.COMP	5	1:07	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0014-0023.BIAS	0	1:13	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0024-0033.FLAT	8	1:16	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0034-0043.BIAS	0	1:19	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0044-0064.FLAT	16	1:29	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0065.COMP	5	1:57	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0066.2M18025184+4853572	360	2:14	18:02:51.8	+48:53:57	300	90	3.0	#141 Mapping t	4	
0067.COMP	5	2:20	18:02:51.8	+48:53:57	300	90	3.0	#141 Mapping t	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.2M18033046+4747452	360	2:21	18:03:30.4	+47:47:45	300	90	3.0	#141 Mapping t	4	
0069.COMP	5	2:28	18:03:30.4	+47:47:45	300	90	3.0	#141 Mapping t	4	
0070.2M18035014+4315293	480	2:30	18:03:50.1	+43:15:29	300	90	3.0	#141 Mapping t	4	
0071.COMP	5	2:38	18:03:50.1	+43:15:29	300	90	3.0	#141 Mapping t	4	
0072.2M18044405+4616544	480	2:40	18:04:44.0	+46:16:54	300	90	3.0	#141 Mapping t	4	
0073.COMP	5	2:48	18:04:44.0	+46:16:54	300	90	3.0	#141 Mapping t	4	
0074.2M18050930+4743305	420	2:49	18:05:09.3	+47:43:30	300	90	3.0	#141 Mapping t	4	
0075.COMP	5	2:57	18:05:09.3	+47:43:30	300	90	3.0	#141 Mapping t	4	
0076.2M18074477+4646177	420	2:58	18:07:44.7	+46:46:17	300	90	3.0	#141 Mapping t	4	
0077.COMP	5	3:06	18:07:44.7	+46:46:17	300	90	3.0	#141 Mapping t	4	
0078.6X576821	600	3:07	19:53:30.8	+50:06:14	300	90	3.0	#141 Mapping t	4	
0079.COMP	5	3:18	19:53:30.8	+50:06:14	300	90	3.0	#141 Mapping t	4	
0080.6X576852	900	3:21	19:54:22.7	+50:41:03	300	90	3.0	#141 Mapping t	4	
0081.COMP	5	3:36	19:54:22.7	+50:41:03	300	90	3.0	#141 Mapping t	4	
0082.6X587715	720	3:38	19:54:41.1	+50:35:34	300	90	3.0	#141 Mapping t	4	
0083.COMP	5	3:51	19:54:41.1	+50:35:34	300	90	3.0	#141 Mapping t	4	
0084.6X587769	900	3:52	19:55:01.4	+50:09:00	300	90	3.0	#141 Mapping t	4	
0085.COMP	5	4:08	19:55:01.4	+50:09:00	300	90	3.0	#141 Mapping t	4	
0086.6X587732	900	4:10	19:55:04.4	+50:49:44	300	90	3.0	#141 Mapping t	4	
0087.COMP	5	4:26	19:55:04.4	+50:49:44	300	90	3.0	#141 Mapping t	4	



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0088.6X587770	900	4:28	19:55:11.8	+49:59:48	300	90	3.0	#141 Mapping t	4	
0089.COMP	5	4:43	19:55:11.8	+49:59:48	300	90	3.0	#141 Mapping t	4	
0090.BDp284211	90	4:48	21:51:11.1	28:51:53	300	66	3.0	#56 Spectropho	2	
0091.BDp284211	90	4:49	21:51:11.1	28:51:53	300	66	3.0	#56 Spectropho	2	
0092.BDp284211	90	4:51	21:51:11.1	28:51:53	300	66	3.0	#56 Spectropho	2	
0093.COMP	10	4:53	21:51:11.1	28:51:53	300	66	3.0	#56 Spectropho	2	
0094.BDp174708	45	4:55	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0095.BDp174708	45	4:56	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0096.BDp174708	45	4:57	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0097.COMP	5	4:59	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0098.COMP	10	4:59	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0099.N7331	180	5:03	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0100.COMP	10	5:06	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0101.Akn564	180	5:10	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0102.Akn564	180	5:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0103.COMP	5	5:16	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0104.MRK335	150	5:18	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0105.MRK335	150	5:21	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0106.COMP	5	5:24	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0107.MRK335	150	5:25	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	



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0108.MRK335	150	5:28	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0109.COMP	10	5:33	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0110.COMP	10	5:40	00:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	
0111-0120.FLAT	24	5:46	00:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	
0121.COMP	10	5:47	00:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	
0122.BDp284211	90	5:50	21:51:11.1	28:51:53	600	90	2.0	#56 Spectropho	4	
0123.BDp284211	90	5:51	21:51:11.1	28:51:53	600	90	2.0	#56 Spectropho	4	
0124.COMP	10	5:54	21:51:11.1	28:51:53	600	90	2.0	#56 Spectropho	4	
0125.hs3794	160	5:56	0:15:33.8	-8:04:49	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	5:59	0:15:33.8	-8:04:49	600	90	2.0	#122 Halo Star	4	
0127.hs3795	260	6:00	0:16:33.0	-4:10:36	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	6:05	0:16:33.0	-4:10:36	600	90	2.0	#122 Halo Star	4	
0129.hs3796	500	6:07	0:17:22.7	-3:41:30	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	6:16	0:17:22.7	-3:41:30	600	90	2.0	#122 Halo Star	4	
0131.hs3797	720	6:17	0:17:33.0	-8:46:05	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	6:29	0:17:33.0	-8:46:05	600	90	2.0	#122 Halo Star	4	
0133.hs3798	180	6:31	0:18:03.8	-5:17:34	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	6:35	0:18:03.8	-5:17:34	600	90	2.0	#122 Halo Star	4	
0135.hs3799	180	6:36	0:19:55.7	-6:14:50	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	6:39	0:19:55.7	-6:14:50	600	90	2.0	#122 Halo Star	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0137.hs3800	180	6:40	0:20:01.3	-9:36:34	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	6:43	0:20:01.3	-9:36:34	600	90	2.0	#122 Halo Star	4	
0139.hs3801	600	6:45	0:21:03.3	-3:01:58	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	6:55	0:21:03.3	-3:01:58	600	90	2.0	#122 Halo Star	4	
0141.hs3802	600	6:56	0:22:32.3	-2:08:54	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	7:07	0:22:32.3	-2:08:54	600	90	2.0	#122 Halo Star	4	
0143.hs3725	300	7:23	3:12:06.2	3:42:56	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	7:29	3:12:06.2	3:42:56	600	90	2.0	#122 Halo Star	4	
0145.hs3726	240	7:30	3:14:39.9	4:26:58	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	7:35	3:14:39.9	4:26:58	600	90	2.0	#122 Halo Star	4	
0147.hs3727	400	7:36	3:15:21.6	3:56:15	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	7:43	3:15:21.6	3:56:15	600	90	2.0	#122 Halo Star	4	
0149.hs3728	180	7:45	3:17:14.5	4:02:02	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	7:48	3:17:14.5	4:02:02	600	90	2.0	#122 Halo Star	4	
0151.hs3729	220	7:50	3:17:24.6	2:13:29	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	7:54	3:17:24.6	2:13:29	600	90	2.0	#122 Halo Star	4	
0153.hs3730	360	7:57	3:18:53.4	3:25:34	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	8:03	3:18:53.4	3:25:34	600	90	2.0	#122 Halo Star	4	
0155.hs3655	540	8:05	3:27:27.3	9:26:09	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	8:15	3:27:27.3	9:26:09	600	90	2.0	#122 Halo Star	4	



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0157.hs3656	520	8:16	3:27:29.8	12:02:16	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	8:25	3:27:29.8	12:02:16	600	90	2.0	#122 Halo Star	4	
0159.hs3657	280	8:26	3:27:56.7	11:46:37	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	8:31	3:27:56.7	11:46:37	600	90	2.0	#122 Halo Star	4	
0161.COMP	5	8:38	2:55:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0162.COMP	5	8:40	2:55:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0163.COMP	10	8:41	2:55:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0164.sn2005eu	1200	8:49	02:27:43.2	+28:10:36	300	23	3.0	#2 SN Observat	2	
0165.COMP	10	9:09	02:27:43.2	+28:10:36	300	23	3.0	#2 SN Observat	2	
0166.sn2005eq	1200	9:14	3:08:49.3	-07:01:59	300	-3	3.0	#2 SN Observat	2	
0167.COMP	10	9:35	3:08:49.3	-07:01:59	300	-3	3.0	#2 SN Observat	2	
0168.2M03081455+2733375	420	9:40	03:08:14.5	+27:33:37	300	89	3.0	#141 Mapping t	4	
0169.COMP	5	9:48	03:08:14.5	+27:33:37	300	89	3.0	#141 Mapping t	4	
0170.2M03084672+4137259	480	9:49	03:08:46.7	+41:37:26	300	89	3.0	#141 Mapping t	4	
0171.COMP	5	9:58	03:08:46.7	+41:37:26	300	89	3.0	#141 Mapping t	4	
0172.2M03092155+4249517	480	9:59	03:09:21.5	+42:49:51	300	89	3.0	#141 Mapping t	4	
0173.COMP	5	10:08	03:09:21.5	+42:49:51	300	89	3.0	#141 Mapping t	4	
0174.2M03122624+4151318	420	10:09	03:12:26.2	+41:51:31	300	89	3.0	#141 Mapping t	4	
0175.COMP	5	10:17	03:12:26.2	+41:51:31	300	89	3.0	#141 Mapping t	4	
0176.cvso-246635	540	10:20	05:37:31.5	-02:24:26	300	89	3.0	#112 Orion PMS	4	



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0177.COMP	5	10:29	05:37:31.5	-02:24:26	300	89	3.0	#112 Orion PMS	4	
0178.cvso-244704	480	10:31	05:37:38.3	-04:13:12	300	89	3.0	#112 Orion PMS	4	
0179.COMP	5	10:39	05:37:38.3	-04:13:12	300	89	3.0	#112 Orion PMS	4	
0180.cvso-268578	300	10:41	05:37:55.1	-03:09:00	300	89	3.0	#112 Orion PMS	4	
0181.COMP	5	10:46	05:37:55.1	-03:09:00	300	89	3.0	#112 Orion PMS	4	
0182.cvso-244926	420	10:48	05:37:55.3	-03:48:34	300	89	3.0	#112 Orion PMS	4	
0183.COMP	5	10:55	05:37:55.3	-03:48:34	300	89	3.0	#112 Orion PMS	4	
0184.cvso-247250	480	11:02	05:38:02.6	-02:04:44	300	89	3.0	#112 Orion PMS	4	
0185.COMP	5	11:10	05:38:02.6	-02:04:44	300	89	3.0	#112 Orion PMS	4	
0186.cvso-267755	480	11:11	05:38:13.1	-02:45:51	300	89	3.0	#112 Orion PMS	4	
0187.COMP	5	11:20	05:38:13.1	-02:45:51	300	89	3.0	#112 Orion PMS	4	
0188.sn2005el	1200	11:24	05:11:48.7	+05:11:39	300	2	3.0	#2 SN Observat	2	
0189.COMP	10	11:44	05:11:48.7	+05:11:39	300	2	3.0	#2 SN Observat	2	
0190.cvso-245254	300	11:49	05:38:18.0	-04:15:49	300	90	3.0	#112 Orion PMS	4	
0191.COMP	5	11:55	05:38:18.0	-04:15:49	300	90	3.0	#112 Orion PMS	4	
0192.cvso-267882	480	11:57	05:38:19.8	-02:36:38	300	90	3.0	#112 Orion PMS	4	
0193.COMP	5	12:06	05:38:19.8	-02:36:38	300	90	3.0	#112 Orion PMS	4	
0194.cvso-269015	420	12:07	05:38:21.3	-03:13:37	300	90	3.0	#112 Orion PMS	4	
0195.COMP	5	12:14	05:38:21.3	-03:13:37	300	90	3.0	#112 Orion PMS	4	
0196.cvso-247705	480	12:16	05:38:25.5	-02:10:23	300	90	3.0	#112 Orion PMS	4	



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0197.COMP	5	12:25	05:38:25.5	-02:10:23	300	90	3.0	#112 Orion PMS	4	
0198.BIAS	0	12:51	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0199.sky	10	12:52	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0200-0201.sky	25	12:56	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0202.sky	20	12:57	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0203.sky	15	12:57	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0204-0205.sky	12	12:58	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0206.COMP	5	12:59	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0207-0216.BIAS	0	13:12	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0217-0226.FLAT	8	13:15	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0227-0236.BIAS	0	13:17	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0237-0257.FLAT	16	13:28	06:40:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0259.COMP	5	13:32	07:13:15.9	+31:30:23	300	90	3.0	#122 Halo Star	4	
0260.DARK	900	13:33	07:29:11.0	+31:30:30	300	90	3.0	#122 Halo Star	4	
0261.DARK	900	13:48	07:44:22.9	+31:30:37	300	90	3.0	#122 Halo Star	4	
0262.DARK	900	14:03	07:59:38.1	+31:30:44	300	90	3.0	#122 Halo Star	4	
0263.DARK	900	14:18	08:14:50.1	+31:30:50	300	90	3.0	#122 Halo Star	4	
0264.DARK	900	14:34	08:30:01.7	+31:30:57	300	90	3.0	#122 Halo Star	4	
0265.DARK	900	14:49	08:45:13.7	+31:31:03	300	90	3.0	#122 Halo Star	4	
0266.DARK	900	15:04	09:00:29.1	+31:31:08	300	90	3.0	#122 Halo Star	4	



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0267.DARK	900	15:19	09:15:40.9	+31:31:14	300	90	3.0	#122 Halo Star	4	
0268.DARK	900	15:34	09:30:52.6	+31:31:18	300	90	3.0	#122 Halo Star	4	
0269.DARK	900	15:49	09:46:08.1	+31:31:23	300	90	3.0	#122 Halo Star	4	
0270.DARK	900	16:05	10:01:20.1	+31:31:27	300	90	3.0	#122 Halo Star	2	
0271.DARK	900	16:20	10:16:40.0	+31:31:31	300	90	3.0	#122 Halo Star	2	
0272.DARK	900	16:35	10:31:56.5	+31:31:34	300	90	3.0	#122 Halo Star	2	
0273.DARK	900	16:50	10:47:12.9	+31:31:36	300	90	3.0	#122 Halo Star	2	
0274.DARK	900	17:06	11:02:32.8	+31:31:38	300	90	3.0	#122 Halo Star	2	
0275.DARK	900	17:21	11:17:49.2	+31:31:40	300	90	3.0	#122 Halo Star	2	
0276.DARK	900	17:36	11:33:09.2	+31:31:41	300	90	3.0	#122 Halo Star	2	
0277-0279.DARK	900	18:22	12:19:02.2	+31:31:42	300	90	3.0	#122 Halo Star	2	